

Grade 7 Academic Standards

Unit 5 Lesson

Science

Standard 1 The Nature and Science of Technology

Technology and Science

7.1.8 Explain that technologies often have drawbacks as well as benefits. Consider a technology, such as the use of pesticides, which helps some organisms but may hurt others, either deliberately or inadvertently.

7.1.10 Identify ways that technology has strongly influenced the course of history and continues to do so.

Standard 2 Scientific Thinking

Communication Skills

7.2.7 Incorporate circle charts, bar and line graphs, diagrams, scatter plots, and symbols into writing, such as lab or research reports, to serve as evidence for claims and/or conclusions.

Standard 3 The Physical Setting

Matter and Energy

7.3.16 Recognize and explain that different ways of obtaining, transforming, and distributing energy have different environmental consequences.

Standard 4 The Living Environment

Human Identity

7.4.14 Explain that the environment may contain dangerous levels of substances that are harmful to human beings. Understand, therefore, that the good health of individuals requires monitoring the soil, air, and water as well as taking steps to keep them safe.

Social Studies

Standard 5 Individuals, Society, and Culture

7.5.4 Examine the impact of cultural change brought about by technological inventions and innovations in the past and present.

Unit 5 - Activities 1-7 satisfy the following Indiana academic standards:

Science

- 7.1.8 Explain that technologies often have drawbacks as well as benefits. Consider a technology, such as the use of pesticides, which helps some organisms but may hurt others, either deliberately or inadvertently.
- 7.1.10 Identify ways that technology has strongly influenced the course of history and continues to do so.
- 7.2.1 Find what percentage one number is of another and figure any percentage of any number.
- 7.2.7 Incorporate circle charts, bar and line graphs, diagrams, scatter plots, and symbols into writing, such as lab or research reports, to serve as evidence for claims and/or conclusions.
- 7.3.16 Recognize and explain that different ways of obtaining, transforming, and distributing energy have different environmental consequences.
- 7.4.14 Explain that the environment may contain dangerous levels of substances that are harmful to human beings. Understand, therefore, that the good health of individuals requires monitoring the soil, air, and water as well as taking steps to keep them safe.

Social Studies

- 7.5.4 Examine the impact of cultural change brought about by technological inventions and innovations in the past and present.